

# LABORATORIES

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## TEST FOR THE FOLLOWING

1. *coliform bacteria*
2. *chloride*
3. *nitrate*

The purpose of water sampling in the North Hills Temporary Controlled Groundwater Area is to identify areas where ground water is contaminated by nitrate derived from human or animal wastes. In addition to nitrate, water samples are to be analyzed for total coliform bacteria and chloride concentrations. Coliform bacteria are not harmful but can be an indicator of contamination by pathogenic organisms. Similarly, chloride generally is not harmful but is an indicator of contamination of ground water by human wastes. Results of analyses for nitrate, coliform bacteria, and chloride will help DNRC identify areas in the North Hills with high nitrate and determine the sources of contamination that is discovered.